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PTO/SB/21 (05-03)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/782,075
Filing Date	02/19/2004
First Named Inventor	Sean D. Monahan
Art Unit	
Examiner Name	
Attorney Docket Number	Mirus.030.16.6

Total Number of Pages in This Submission

34

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Kirk Ekena
Signature	
Date	5/3/05

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as express mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Sean D. Monahan,)
Vladimir G. Budker, Lisa Nader,)
Vladimir Subbotin, Jon A. Wolff)
Serial No.: 10/782,075)
Filed: 02/19/2004)
Group Art Unit:)

For: Covalent Modification of RNA for *In Vitro* and *In Vivo* Delivery

INFORMATIONAL STATEMENT

Commissioner of Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. 1.56, applicant hereby calls to the attention of the Patent and Trademark Office the publications listed on the attached PTO 1449. This information statement supplements the previously filed information statement.

REFERENCES CITED

1. Chamberlain SI et al. "Catalysis of amide synthesis by RNA phosphodiester and hydroxyl groups." PNAS 2002 Vol. 99 No. 23 pp. 14688-14693.
2. Masta A et al. "Nitrogen mustard inhibits transcription and translation in a cell free system." Nucleic Acids Research 1995 Vol. 23 No. 17 pp. 3508-3515.
3. Singer MJ et al. "Targeted mutagenesis of DNA with alkylating RecA assisted oligonucleotides." Nucleic Acids Research 1999 Vol. 27 No. 24 pp. e38.
4. Tang X-Q et al. "2'-C-branched ribonucleosides: synthesis of the phosphoramidite derivatives of 2'-C- β -methylcytidine and their incorporation into oligonucleotides." J Org Chem 1999 Vol. 64 pp. 747-754.

Applicant respectfully requests that these publications be expressly considered during the prosecution of this application and made of record herein and appear among the 'References Cited' on any patent to issue herefrom.

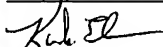
Respectfully submitted,



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(608) 238-4400

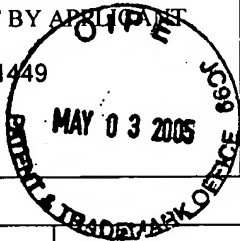
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5/3/05



Kirk Ekena

INFORMATION DISCLOSURE STATEMENT BY APPLICANT FORM PTO-1449	Attorney Docket No.: Mirus.030.16.6	Serial No.: 10/782,075
	Applicant: Sean D. Monahan, Vladimir G. Budker, Lisa Nader, Vladimir Subbotin, Jon A. Wolff	Group:
		Examiner:



U.S. PATENT DOCUMENTS

Exmnr Intl	Seq	Patent Number	Issue Date	Patentee	Class	Sub Class	Filing Date

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		Publication Number	Publication Date	Country or Patent Office	Class	Sub Class	<u>Transl.</u>	
							yes	no

OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, etc.)

		Chamberlain SI et al. "Catalysis of amide synthesis by RNA phosphodiester and hydroxyl groups." PNAS 2002 Vol. 99 No. 23 pp. 14688-14693.
		Masta A et al. "Nitrogen mustard inhibits transcription and translation in a cell free system." Nucleic Acids Research 1995 Vol. 23 No. 17 pp. 3508-3515.
		Singer MJ et al. "Targeted mutagenesis of DNA with alkylating RecA assisted oligonucleotides." Nucleic Acids Research 1999 Vol. 27 No. 24 pp. e38.
		Tang X-Q et al. "2'-C-branched ribonucleosides: synthesis of the phosphoramidite derivatives of 2'-C-β-methylcytidine and their incorporation into oligonucleotides." J Org Chem 1999 Vol. 64 pp. 747-754.

Examiner:	Date Considered:
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